



FlowLine LED unit – linear LED tunnel luminaire

FlowLine

Tunnels often require a linear interior lighting solution. FlowLine offers an LED solution where traditionally fluorescent lighting was used. FlowLine outperforms fluorescent lighting over the full life cycle in terms of cost, safety and performance, and is a competitive alternative to HPS point-source interior lighting on total cost of ownership. Its linear build allows continuous or spaced line lighting schemes, providing optimal guidance and a high level of visual comfort. Performance can be further optimized by using FlowLine in combination with our dedicated lighting controls and service packages.

Benefits

- Linear LED lighting ensuring safety and visual comfort
- Highly efficient lifetime solution
- Designed as part of the TotalTunnel approach for easy installation as well as reduced maintenance and lifecycle cost

Features

- Stainless-steel modular build
- Dedicated LED design
- Long-lasting
- Designed for maintenance (modular build and glass cover)
- Can be integrated with controls and service packages for best system performance

Application

- Traffic tunnels
- Underpasses

Specifications

Type	BGB330
Light source	Integral LED-module
Power	30 up to 90 W
Luminous flux	3000; 6000; 10,000 lm
Luminaire efficacy	>100 lm/W
Correlated Color	4000 K (Neutral white, NW)
Temperature	5700 K (Cool white, CW)
Color Rendering Index	70
Maintenance of lumen output - L80F10	100,000 hours at 25 °C
Operating temperature range	-25 to +40 °C
Driver	Separate (non-self ballasted LED-module) LED-unit and driver unit need to be ordered separately
Optic	Distribution tunnel asymmetrical (DTA) Distribution tunnel asymmetrical narrow beam (DTA-NB) Distribution tunnel asymmetrical wide beam (DTA-WB) Distribution tunnel symmetrical (DTS) Distribution tunnel symmetrical narrow beam (DTS-NB) Distribution tunnel symmetrical wide beam (DTS-WB)

Optical cover	Glass, tempered (GT)
Material	Housing: main construction of stainless steel (pickled and passivated) Heatsink: anodized aluminum Optic: acrylic lens plates (overlay principle) Cover: ultra clear glass, thermally toughened
Color	Blank stainless steel and anodized aluminum
Connection	Flying lead with plug
Maintenance	Sealed unit, not serviceable
Installation	Ceiling mounted (horizontally) 4 flange mounting clamps included for fast installation and alignment in the horizontal plane Option for plugs connection for plug and play installation Recommended mounting height: > 4 m
Accessories	Spare mounting clamp sets (4 pcs)

Versions



Accessories



FLOWLINE DRIVER - 4th generation,
screw fixation - Special housing -
Safety class I - Dimming via external
communication DALI - Mains outlet
socket and 2 DALI sockets

Ordercode 912300023892

Approval and Application

Mech. impact protection code	IK08
Surge Protection (Common/Differential)	Philips standard surge protection level

Controls and Dimming

Dimmable	No
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General Information

Luminaire light beam spread	148° x 148°
CE mark	CE mark
Light source color	740 neutral white
Optical cover/lens type	Flat glass
Driver included	No
ENEC mark	-
Flammability mark	For mounting on normally flammable surfaces
Light source replaceable	No
Lamp version	4S
Number of gear units	-
Optic type	Distribution tunnel symmetrical
Product Family Code	BGB330

Initial Performance (IEC Compliant)

Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>70

Light Technical

Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0

Mechanical and Housing

Color	Steel
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Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0 %
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General Information

Order Code	Full Product Name	Lamp family code
912300023889	BGB330 LED136--4S/740 SH DTS C500C	-
912300023890	BGB330 LED78--4S/740 SH DTS C500C	-
912300023891	BGB330 LED39--4S/740 SH DTS C500C	LED39

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux
912300023889	BGB330 LED136--4S/740 SH DTS C500C	11951 lm
912300023890	BGB330 LED78--4S/740 SH DTS C500C	6870 lm

Order Code	Full Product Name	Initial luminous flux
912300023891	BGB330 LED39--4S/740 SH DTS C500C	3440 lm

